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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=2; day=15; hr=15; min=8; sec=8; ms=259;]

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Application No: 09688566 Version No: 1.0

Input Set:

Output Set:

Started: 2008-02-15 11:58:17.898
Finished: 2008-02-15 11:58:22.013
Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 115 ms
Total Warnings: 24
Total Errors: 0
No. of SeqIDs Defined: 202
Actual SeqID Count: 202

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (24)
W 213	Artificial or Unknown found in <213> in SEQ ID (26)
W 213	Artificial or Unknown found in <213> in SEQ ID (27)
W 213	Artificial or Unknown found in <213> in SEQ ID (30)
W 402	Undefined organism found in <213> in SEQ ID (31)
W 402	Undefined organism found in <213> in SEQ ID (32)
W 402	Undefined organism found in <213> in SEQ ID (33)
W 402	Undefined organism found in <213> in SEQ ID (35)
W 402	Undefined organism found in <213> in SEQ ID (36)
W 402	Undefined organism found in <213> in SEQ ID (37)
W 402	Undefined organism found in <213> in SEQ ID (40)
W 402	Undefined organism found in <213> in SEQ ID (41)
W 402	Undefined organism found in <213> in SEQ ID (42)
W 402	Undefined organism found in <213> in SEQ ID (43)
W 402	Undefined organism found in <213> in SEQ ID (68)
W 402	Undefined organism found in <213> in SEQ ID (89)

Input Set:

Output Set:

Started: 2008-02-15 11:58:17.898
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Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 115 ms
Total Warnings: 24
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No. of SeqIDs Defined: 202
Actual SeqID Count: 202

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (186)
W 402	Undefined organism found in <213> in SEQ ID (189)
W 402	Undefined organism found in <213> in SEQ ID (191)
W 402	Undefined organism found in <213> in SEQ ID (193)

SEQUENCE LISTING

<110> Lipovsek, Dasa
Wagner, Richard W
Kuimelis, Robert G

<120> PROTEIN SCAFFOLDS FOR ANTIBODY MIMICS
AND OTHER BINDING PROTEINS

<130> 50036/021004

<140> 09688566
<141> 2000-10-16

<150> US 60/111,737
<151> 1998-12-10

<150> US 09/456,693
<151> 1999-12-09

<150> US 09/515,260
<151> 2000-02-29

<160> 202

<170> FastSEQ for Windows Version 4.0

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<211> 122
<212> DNA
<213> Homo sapiens

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atcaccatca cgtttctgat gttccgaggg acctggaagt tgttgctgcg acccccacca	120
gc	122

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<211> 104
<212> DNA
<213> Homo sapiens

<400> 2	
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atgttccgag ggacctggaa gttgttgctg cgacccccac cagc	104

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<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(126)

<210> 7

<211> 64
 <212> DNA
 <213> Homo sapiens

<400> 7
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 aagg 64

<210> 8
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 8
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 atcaccatca cctcttctat accatcactg tgtatgctgt c 101

<210> 9
 <211> 114
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(114)
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<221> misc_feature
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 81, 83, 84, 86, 87
 <223> n = A,T,C or G

<400> 9
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<210> 10
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 10
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<210> 11
 <211> 45
 <212> DNA
 <213> T7 phage and tobacco mosaic virus

<400> 11
 gcgtaatacg actcactata gggacaatta ctatttacia ttaca 45

<210> 12

<211> 33
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Flag sequence

 <400> 12
 agcggatgcc ttgtcgtcgt cgtccttgta gtc 33

 <210> 13
 <211> 19
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Splint oligonucleotide

 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

 <221> misc_feature
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 <223> n = A,T,C or G

 <400> 13
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 <210> 14
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Puromycin linker oligonucleotide

 <400> 14
 aaaaaaaaaa aaaaaaaccc 20

 <210> 15
 <211> 30
 <212> DNA
 <213> Mus musculus

 <400> 15
 gcggcagggt ttgcttactg gggccaagg 30

 <210> 16
 <211> 27
 <212> DNA
 <213> Mus musculus

 <400> 16
 gggaggggtg gaggtaggtc acagtcc 27

 <210> 17

<211> 30
 <212> DNA
 <213> Mus musculus

<400> 17
 ttgctagct ttaccaggag agtgggaggc 30

<210> 18
 <211> 33
 <212> DNA
 <213> Mus musculus

<400> 18
 aaaaagcttg caaaacgac acccccatct gtc 33

<210> 19
 <211> 33
 <212> DNA
 <213> Mus musculus

<400> 19
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<210> 20
 <211> 43
 <212> DNA
 <213> Mus musculus

<400> 20
 catatgcatt accatcacca tcacgtttct gatattccga gag 43

<210> 21
 <211> 30
 <212> DNA
 <213> Mus musculus

<400> 21
 gaattcctat gttttataat tgatggaaac 30

<210> 22
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 22
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<210> 23
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 23
 tttttttttt tttttttttt 20

<210> 24
 <211> 15

<212> DNA	
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<211> 16	
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<211> 13	
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<223> Oligonucleotide	
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<223> Oligonucleotide	
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caggtcttct tcagaga	17
<210> 28	
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<210> 30	
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<213> Homo sapien

<400> 31
Asn Arg Ser Gly Leu Gln Ser
1 5

<210> 32
<211> 10
<212> PRT
<213> Homo sapien

<400> 32
Ala Gln Thr Gly His His Leu His Asp Lys
1 5 10

<210> 33
<211> 94
<212> PRT
<213> Homo sapien

<400> 33
Val Ser Asp Val Pro Arg Asp Leu Glu Val Val Ala Ala Thr Pro Thr
1 5 10 15
Ser Leu Leu Ile Ser Trp Asp Ala Pro Ala Val Thr Val Arg Tyr Tyr
20 25 30
Arg Ile Thr Tyr Gly Glu Thr Gly Gly Asn Ser Pro Val Gln Glu Phe
35 40 45
Thr Val Pro Gly Ser Lys Ser Thr Ala Thr Ile Ser Gly Leu Lys Pro
50 55 60
Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala Val Thr Gly Arg Gly Asp
65 70 75 80
Ser Pro Ala Ser Ser Lys Pro Ile Ser Ile Asn Tyr Arg Thr
85 90

<210> 34
<211> 95
<212> PRT
<213> Homo sapiens

<400> 34

Val	Ser	Glu	Ile	Pro	Arg	Asp	Leu	Glu	Val	Val	Ala	Ala	Thr	Pro	Thr
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Ser	Leu	Leu	Phe	Ser	Trp	Asp	Ala	Pro	Ala	Val	Thr	Val	Arg	Tyr	Tyr
			20					25					30		
Arg	Ile	Thr	Tyr	Gly	Glu	Thr	Gly	Gly	Asn	Ser	Leu	Val	Gln	Glu	Phe
		35					40					45			
Thr	Val	Pro	Gly	Ser	Lys	Ser	Thr	Ala	Thr	Ile	Ser	Gly	Leu	Lys	Pro
	50					55					60				
Gly	Val	Asp	Tyr	Asn	Thr	Ile	Thr	Gly	Tyr	Ala	Val	Thr	Thr	Thr	Tyr
65					70					75					80
Arg	Thr	Arg	Ile	Asp	Lys	Gln	Pro	Ile	Ser	Ile	Asn	Tyr	Arg	Thr	
				85					90					95	

<210> 35

<211> 90

<212> PRT

<213> Homo sapien

<400> 35

Val	Ser	Asp	Val	Pro	Arg	Asp	Leu	Glu	Val	Val	Ala	Ala	Thr	Pro	Thr
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Ser	Leu	Leu	Ile	Ser	Trp	Asp	Ala	Pro	Ala	Val	Thr	Val	Arg	Tyr	Tyr
			20					25					30		
Arg	Ile	Thr	Tyr	Gly	Glu	Lys	Gly	Gly	Asn	Ser	Pro	Val	Gln	Glu	Phe
		35					40					45			
Thr	Val	Pro	Glu	Leu	Asn	Pro	Thr	Ala	Thr	Ile	Ser	Arg	Leu	Lys	Pro
	50					55					60				
Gly	Val	Asp	Tyr	Thr	Ile	Thr	Val	Tyr	Ala	Val	Thr	Gln	Asn	Gly	Thr
65					70					75					80
Pro	Arg	Arg	His	Leu	Arg	Pro	Asn	Phe	His						
				85					90						

<210> 36

<211> 95

<212> PRT

<213> Homo sapien

<400> 36

Val	Ser	Asp	Val	Pro	Arg	Asp	Leu	Glu	Val	Val	Ala	Ala	Thr	Pro	Thr
1				5				10						15	
Gly	Leu	Leu	Ile	Ser	Trp	Asn	Lys	Ser	Arg	Met	Thr	Thr	Arg	Tyr	Tyr
			20					25					30		
Arg	Ile	Thr	Tyr	Gly	Glu	Thr	Gly	Gly	Asn	Ser	Pro	Val	Gln	Glu	Phe
		35					40					45			
Thr	Val	Pro	Val	Thr	Asp	Ser	Thr	Ala	Thr	Ile	Ser	Gly	Leu	Lys	Pro
	50					55					60				
Gly	Val	Asp	Tyr	Asn	Thr	Ile	Ile	Val	His	Ala	Val	Thr	Leu	Thr	Asn
65					70					75					80
Gln	Asn	Ser	Asp	His	Thr	Tyr	Pro	Ile	Ser	Ile	Asn	Tyr	Arg	Thr	
				85					90					95	

<210> 37

<211> 91
 <212> PRT
 <213> Homo sapien

<400> 37
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 Ser Leu Leu Ile Ser Trp Asp Ser Ser His Arg Tyr Tyr Arg Ile Thr
 20 25 30
 Tyr Gly Glu Thr Gly Gly Asn Ser Pro Val Gln Glu Phe Thr Ala Pro
 35 40 45
 Asn Asn Pro Pro Thr Ala Thr Ile Ser Gly Leu Lys Pro Gly Val Asp
 50 55 60
 Tyr Thr Ile Thr Val Tyr Ala Val Thr Pro Asp Gly Ser Arg His Met
 65 70 75 80
 Leu Thr Lys Pro Ile Ser Ile Asn Tyr Arg Thr
 85 90

<210> 38
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 38
 Val Ser Asp Val Pro Arg Asp Leu Glu Val Val Ala Ala Thr Pro Thr
 1 5 10 15
 Ser Leu Leu Ile Ser Trp His Asn Asn His Ile Asp Met Arg Tyr Tyr
 20 25 30
 Arg Ser Ala Asn Gly Glu Thr Gly Gly Asn Ser Pro Val Gln Val Phe
 35 40 45
 Thr Val Pro Gln Arg Arg Gln Thr Ala Thr Ile Ser Gly Leu Lys Pro
 50 55 60
 Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala Val Thr Pro Lys Asn Gln
 65 70 75 80
 Gly Arg Arg Arg Gln Gly Ile Arg
 85

<210> 39
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 39
 Val Ser Asp Val Pro Arg Asp Leu Glu Val Val Ala Ala Thr Ser Thr
 1 5 10 15
 Ser Leu Leu Ile Ser Trp Arg Thr Pro Ala Ser Pro His Gly Tyr Tyr
 20 25 30
 Arg Ile Thr Tyr Gly Glu Thr Gly Gly Asn Ser Pro Val Glu Glu Phe
 35 40 45
 Thr Val Pro Leu Leu Trp Pro Thr Ala Thr Ile Ser Gly Leu Lys Pro
 50 55 60
 Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala Val Thr Pro Thr His Met
 65 70 75 80
 Leu Lys Pro Gln Ser Met Pro Ile Ser Ile Asn Tyr Arg Thr
 85 90

<210> 40
<211> 94
<212> PRT
<213> Homo sapien

<400> 40
Val Ser Asp Val Pro Arg Asp Leu Glu Val Val Ala Ala Thr Pro Thr
1 5 10 15
Ser Leu Leu Ile Ser Trp Arg Thr Pro Ala Ser Pro His Gly Tyr Tyr
20 25 30
Arg Ile Thr Tyr Gly Glu Thr Gly Gly Asn Ser Pro Val Glu Glu Phe
35 40 45
Thr Val Pro Leu Leu Trp Pro Thr Ala Thr Ile Ser Gly Leu Lys Pro
50 55 60
Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala Val Thr Pro Thr His Met
65 70 75 80
Leu Lys Pro Gln Ser Met Pro Ile Ser Ile Asn Tyr Arg Thr
85 90

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<211> 94
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<213> Homo sapien

<400> 41
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1 5 10 15
Ser Leu Leu Ile Ser Trp Arg Pro Asn Pro Arg Leu Ser Arg Tyr Tyr
20 25 30
Arg Ile Thr Tyr Gly Glu Thr Gly Gly Asn Ser Pro Val Gln Glu Phe
35 40 45
Thr Val Pro Gly Leu Phe Ser Thr Ala Thr Ile Ser Gly Leu Asn Pro
50 55 60
Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala Val Thr Pro Lys Glu Thr
65 70 75 80
Ser Asn Ile Phe Ile Ala Pro Ile Ser Ile Asn Tyr Arg Thr
85 90

<210> 42
<211> 94
<212> PRT
<213> Homo sapien

<400> 42
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Cys Leu Leu Ile Ser Trp Arg Pro Asn Pro Arg Leu Ser Arg Tyr Tyr
20 25 30
Arg Ile Thr Tyr Gly Glu Thr Gly Gly Asn Ser Pro Val Gln Glu Phe
35 40 45
Thr Val Pro Gly Leu Phe Ser Thr Ala Thr Ile Ser Gly Leu Lys Pro
50 55 60
Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala Val Thr Pro Lys Glu Thr

65		70		75		80							
Ser	Asn	Ile	Phe	Ile	Ala	Pro	Ile	Ser	Ile	Asn	Tyr	Arg	Thr
		85						90					

<210> 43
 <211> 94
 <212> PRT
 <213> Homo sapien

<400> 43

Val	Ser	Asp	Val	Pro	Arg	Asp	Pro	Glu	Val	Val	Ala	Ala	Thr	Pro	Thr
1				5				10					15		
Ser	Leu	Leu	Ile	Ser	Trp	Asp	Pro	Asn	Ile	Arg	Leu	Arg	Arg	Tyr	Tyr
			20					25					30		
Arg	Ile	Thr	Tyr	Gly	Glu	Thr	Gly	Gly	Asn	Ser	Pro	Val	Gln	Glu	Phe
			35				40						45		
Thr	Val	Pro	Gly	Phe	Phe	Ser	Thr	Ala	Thr	Ile	Ser	Gly	Leu	Lys	Pro
			50			55					60				
Gly	Val	Asp	Tyr	Thr	Ile	Thr	Val	Tyr	Ala	Val	Thr	Ala	Ser	Arg	Asn
65					70					75					80
Glu	Asp	Thr	Arg	Phe	Gly	Pro	Ile	Ser	Ile	Asn	Tyr	Arg	Thr		
				85				90							

<210> 44
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 <212> PRT
 <213> Homo sapiens

<400> 44

Val	Ser	Asp	Val	Pro	Arg	Asp	Leu	Glu	Val	Val	Ala	Ala	Thr	Pro	Thr
1				5				10					15		
Ser	Leu	Leu	Ile	Ser	Trp	Phe	Arg	Ser	Leu	Gln	Arg	Asp	Arg	Asp	Tyr
			20					25					30		
Arg	Ile	Thr	Tyr	Gly	Glu	Thr	Gly	Gly	Asn	Ser	Pro	Val	Gln	Glu	Phe
			35				40						45		
Thr	Val	Pro	Phe	Arg	Met	Lys	Thr	Ala	Thr	Ile	Ser	Gly	Leu	Lys	Pro
			50			55					60				
Gly	Val	Asp	Tyr	Thr	Ile	Thr	Val	Tyr	Ala	Ile	Thr	Pro	Pro	Asp	Lys
65					70					75					80
Met	Glu	Pro	Pro	Lys	Gly	Pro	Ile	Ser	Ile	Asn	Tyr	Arg	Thr		
				85				90							

<210> 45
 <211> 94
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 <213> Homo sapiens

<400> 45

Val	Ser	Asp	Val	Pro	Arg	Asp	Leu	Glu	Val	Val	Ala	Ala	Thr	Pro	Thr
1				5				10					15		
Ser	Leu	Leu	Ile	Ser	Trp	Tyr	Arg	His	Thr	Tyr	Arg	Asp	Arg	Tyr	Tyr
			20					25					30		
Arg	Ile	Thr	Tyr	Gly	Glu	Thr	Gly	Gly	Asn	Ser	Pro	Val	Gln	Glu	Ser
			35				40						45		

Thr Val Pro Pro Trp Ala Thr Thr Ala Thr Ile Ser Gly Leu Lys Pro
50 55 60
Gly Val Asp Tyr Thr Ile Ala Val Tyr Ala Val Thr Asp Thr Gly Tyr
65 70 75 80
Asp Val His Thr Lys Arg Pro Ile Ser Ile Asn Tyr Arg Thr
85 90

<210> 46

<211> 94

<212> PRT

<213> Homo sapiens

<400>